

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty Dkt. 1579-580

C# M#

FRIDOVICH et al

TC/A.U.

1624

Serial No. 09/880,125

Examiner: Habte, K.

Filed: June 14, 2001

Date: November 23, 2004

Title: SUBSTITUTED PORPHYRINS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Sir:

INFORMATION DISCLOSURE STATEMENT

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☐ **Correspondence Address Indication Form Attached.****Fees are attached as calculated below:**

Total effective claims after amendment 0 minus highest number
previously paid for 20 (at least 20) = 0 x \$ 18.00 \$ 0.00

Independent claims after amendment 0 minus highest number
previously paid for 3 (at least 3) = 0 x \$ 88.00 \$ 0.00

If proper multiple dependent claims now added for first time, add \$300.00 (ignore improper) \$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this
paper and attachment(s) (\$110.00/1 month; \$430.00/2 months; \$980.00/3 months) \$ 0.00

Terminal disclaimer enclosed, add \$ 110.00 \$ 0.00

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$790.00) \$ 0.00

☐ Please enter the previously unentered, filed

☐ Submission attached

Subtotal \$ 0.00

If "small entity," then enter half (1/2) of subtotal and subtract -\$ 0.00

☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

Other: 0.00

TOTAL FEE ENCLOSED \$ 0.00

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.

By Atty: Mary J. Wilson, Reg. No. 32,955

Signature: Mary J. Wilson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Re Patent Application of

BRIDOVICH et al

Serial No. 09/880,125

Filed: June 14, 2001

For: SUBSTITUTED PORPHYRINS

Confirmation No. 9188

Atty. Ref.: 1579-580

Group: 1624

Examiner: Habte, K.

* * * * *

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

November 23, 2004

Sir:

INFORMATION DISCLOSURE STATEMENT

- ☒ 1. **PTO-1449 Pursuant to 37 CFR 1.97(b)**
[within 3 months of filing or prior to 1st Office Action on the merits]
N/C
- ☐ 2.(a) **Statement Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance (requires Rule 97(e)
Statement or Rule 17(p) fee)]
N/C
- ☐ 2.(b) **Fee Payment Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance (requires Rule 97(e)
Statement or Rule 17(p) fee)]
\$180.00
- ☐ 3. **Pursuant to 37 CFR 1.97(d)**
[after Final Office Action or Allowance (requires Rule 97(e)
Statement and Rule 17(p) fee), but before final fee payment]
\$180.00

The following are submitted in the above-identified application in compliance with
37 C.F.R. §§ 1.97 and 1.98:

- ☒ 4. A list of documents on Form PTO-1449 together with copies of each
identified document and a translation or a concise explanation of
each non-English language document (such as a Search Report) is
enclosed herewith.

This paper is submitted in accordance with:

- ☒ 5. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 6. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier];
and
 - ☐ a) The required Statement made in item 8 below; or
 - ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.
- ☐ 7. 37 CFR §1.97(d): [after Final Office Action or Allowance (requires Rule 97(e) Statement and Rule 17(p) fee), but before final fee payment]; and
 - ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is submitted herewith;
and
 - ☐ b) The required Statement is stated in item 8 below.
- ☐ 8. Statement under 37 CFR 1.97(e)
 - ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
 - ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 9. Please charge all deficiency fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

FRIDOVICH et al
Serial No. 09/880,125
November 23, 2004

Respectfully submitted,
NIXON & VANDERHYE P.C.

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**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

1579-580

09/880,125

APPLICANT

FRIDOVICH et al

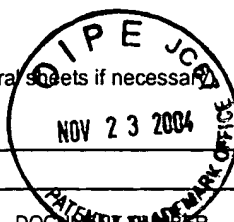
FILING DATE

GROUP

June 14, 2001

1624

(Use several sheets if necessary)


U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,566,517	5/2003	Miura et al			
	6,548,045	4/2003	Sakata et al			
	6,602,998	8/2003	Kobuke et al			
	6,624,187	9/2003	Pandey et al			
	6,544,975	4/2003	Crapo et al			

FOREIGN PATENT DOCUMENTS

PUBLISHED DOCUMENTS							TRANSLATION	
DOCUMENT			DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		WO 91/19977	12/1991	WIPO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Falk, "Contributions to the chemistry of pyrrolic pigments", Tetrahedron 37(4):761-767 (1981)
	Burke, "Photochemical and thermal transformations of phytochrome", Chem. Physiol. Bile Pigm., Int. Symp., pages 509-517 (1975)
	Lindsey et al, "Rothemund and Adler-Longo Reactions Revisited: Synthesis of Tetraphenylporphyrins under Equilibrium Conditions", J. Org. Chem. 52:827-836 (1987)
	Lindsey et al, " ²⁵² Cf Plasma Desorption Mass Spectrometry in the Synthesis of Porphyrin Model Systems", Anal. Chem. 64(22):2804-2814 (1992)
	Tsvetkov et al, "Infrared spectra of copper complexes of tetraphenylporphyrin", Izvestiya Vysshikh Uchebnykh Zavedenij, Khimiya i Khimicheskaya Tekhnologiya 27(7):782-785 (1984) – English Abstract
	Berezin et al, Effect of ligand structure on the kinetic stability of tetraphenylporphyrin complexes of zinc and cadmium", Zhurnal Neorganicheskoi Khimii 25(10):2645-2652 (1980) – English Abstract
	Berezin et al, "Factors determining the stability of complexes of copper with p-substituted derivatives of tetraphenylporphine", Zhurnal Fizicheskoi Khimii 53(11):2716-2719 (1979) – English Abstract
	Wang et al, Structure of LB film of 5,10,15,20-tetra(p-ethoxycarbonphenyl)porphyrin", Yingyong Huaxue 10(2):87-88 (1993) – English Abstract
	Gauuan et al, "Superoxide dismutase mimetics: synthesis and structure-activity relationship study of MnTBAP analogues", Bioorganic & Medicinal Chemistry 10(9):3013-3021 (2002)
	Lindsey et al, "Synthesis of tetraphenylporphyrins under very mild conditions", Tetrahedron Letters 27(41):4969-4970 (1986)

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)